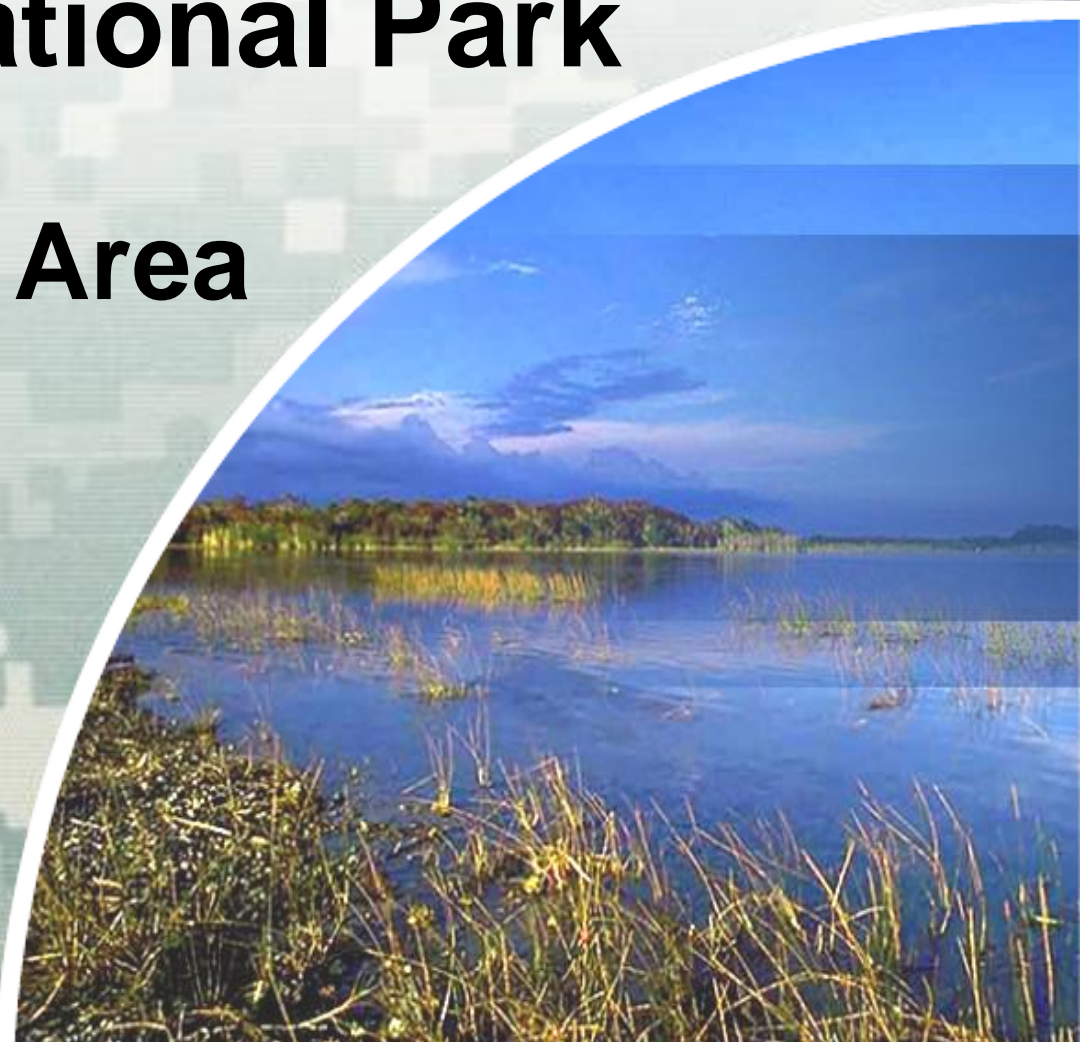
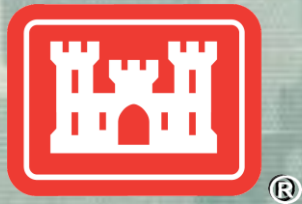


# Modified Water Deliveries to Everglades National Park

## 8.5 Square Mile Area

Michael J. Collis, PMP  
November 30, 2011



# MWD Project Purpose

- Improve water deliveries to Shark River Slough to create more natural conditions
- Project is comprised of four components
  1. 8.5 Square Mile Area Flood Mitigation Plan
  2. Conveyance and Seepage Control Features
  3. Tamiami Trail Modifications
  4. Project Implementation Support

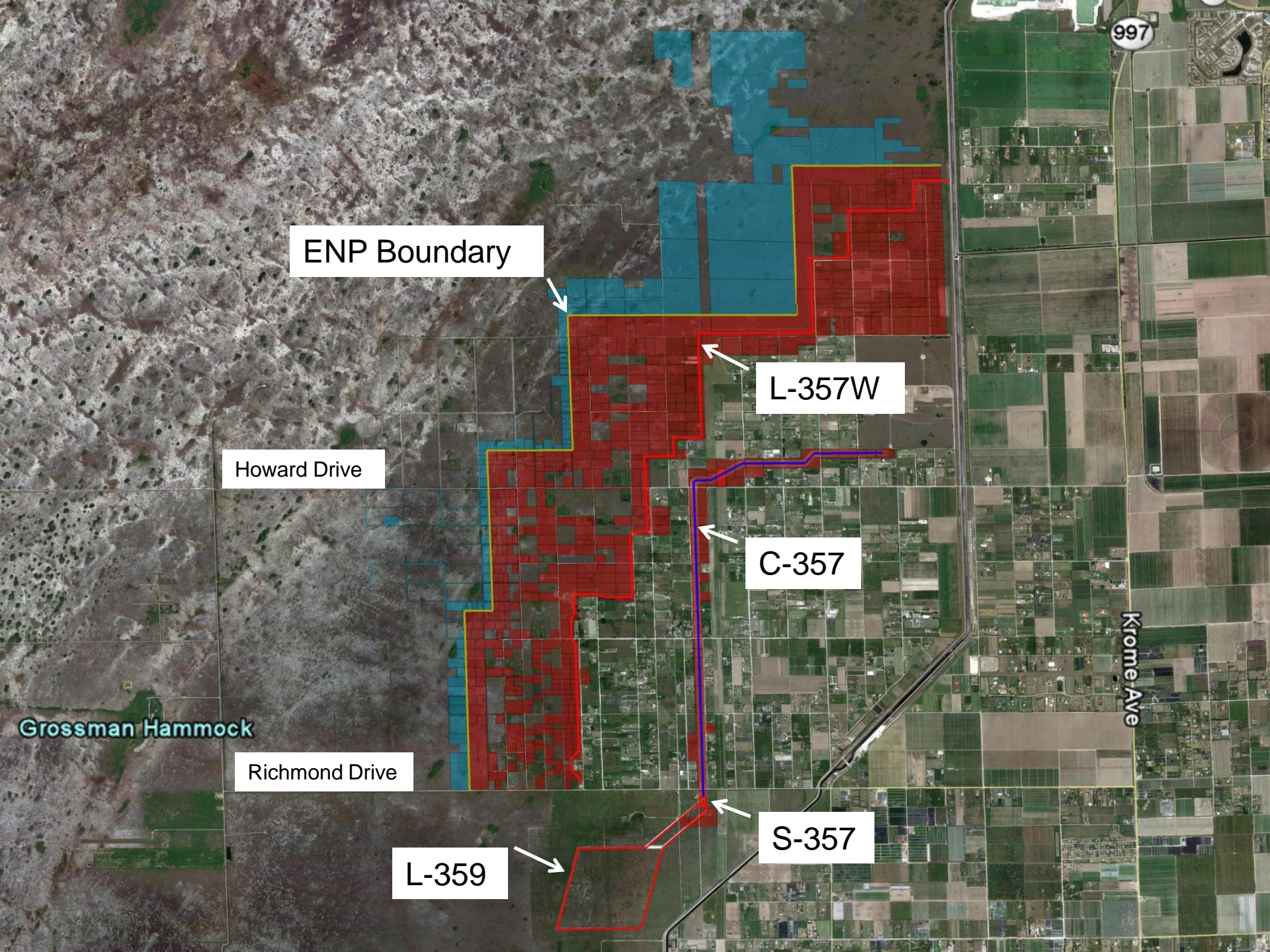


# 8.5 Square Mile Area Flood Mitigation Plan

- Purpose: Provide flood mitigation for the improved conditions in Shark River Slough
  - The MWD Project will increase water stages and durations west of the 8.5 SMA
  - The flood mitigation plan mitigates for this additional water
- Features: Multiple features constructed to provide mitigation
  - Seepage Canal (C-357) and a Pump Station (S-357)
  - Perimeter levee (L-357W)
  - Detention Area (L-359)







ENP Boundary

Howard Drive

Grossman Hammock

Richmond Drive

L-359

L-357W

C-357

S-357

997

Krome Ave



# Why is Mitigation Needed?

- Water stages and durations in ENP and Shark River Slough (West of the 8.5 SMA) will be increased
  - Tamiami Trail modifications will allow more water from WCA 3B to go south of Tamiami Trail
  - The Combined Operational Plan (COP) will modify existing water flow and depth patterns
- The 8.5 SMA Flood Mitigation Plan mitigates for the higher water levels due to the improved hydrologic conditions resulting from Tamiami Trail modifications and the COP



# What is Mitigation?

- Mitigation is keeping the 8.5 SMA conditions consistent with the conditions which existed prior to the start of the experimental water deliveries to ENP
  - Features were constructed to manage surface and ground water within the 8.5 SMA
  - The perimeter levee mitigates for increased surface water
  - The seepage canal and pump station mitigate for increased ground water



# Current Status

- 8.5 SMA flood mitigation plan is complete and currently being operated for test purposes
- Tamiami Trail modifications are scheduled to be complete in 2013
- COP is scheduled to be complete in 2015

